RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/591,725
Source: IFWP
Date Processed by STIC: 09/13/2006

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 09/13/2006
PATENT APPLICATION: **US/10/591,725** TIME: 11:08:53

Input Set : **A:\021080002U4.txt**
Output Set: **N:\CRF4\09132006\J591725.raw**

```
     4 <110> APPLICANT: Leonard, Joan
     6 <120> TITLE OF INVENTION: CHICKEN ANEMIA VIRUS VACCINE FROM CELL
     7       LINE
     9 <130> FILE REFERENCE: 02108.0002U4
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/591,725
    12 <141> CURRENT FILING DATE: 2006-09-05
    14 <150> PRIOR APPLICATION NUMBER: PCT/US05/07148
    15 <151> PRIOR FILING DATE: 2005-03-07
    17 <150> PRIOR APPLICATION NUMBER: 60/550,573
    18 <151> PRIOR FILING DATE: 2004-03-05
    20 <160> NUMBER OF SEQ ID NOS: 2
    22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    24 <210> SEQ ID NO: 1
    25 <211> LENGTH: 2294
    26 <212> TYPE: DNA
    27 <213> ORGANISM: Chicken anemia virus
    29 <400> SEQUENCE: 1
    30 gcattccgag tggttactat tccatcacca ttctagcctg tacacagaaa gtcaagatgg      60
    31 acgaatcgct cgacttcgct cgcgattcgt cgaaggcggg gggccggagg ccccccggtg     120
    32 gccccctcc aacgagtgga gcatgtacag gggggtacgt catcagtaca gggggggtacg     180
    33 tcacaaaaag gcgttcccgt acaggggggt acgtcacgcg tacaggggg tacgtcacag     240
    34 ccaatcagaa gctgccacgt tgcgaaagtg acgtttcgaa aatgggcggc gcaagcctct     300
    35 ctatatattg agcgcacata ccggtcggca gtaggtatac gcaaggcggt ccgggtggat     360
    36 gcacgggaac gacggacaac cggccgctgg gggcagtgaa tcggcgctta gccgagaggg     420
    37 gcagcctggg cccagcggag ccgcgcaggg gcaagtaatt tcaaatgaac gctctccaag     480
    38 aagatactcc acccggacca tcaacggtgt tcaggccacc aacaagttca cggccgttgg     540
    39 aaacccctca ctgcagagag atccggattg gtatcgctgg aattacaatc actctatcgc     600
    40 tgtgtggctg cgcgaatgct cgcgctccca cgctaagatc tgcaactgcg gacaattcag     660
    41 aaagcactgg tttcaagaat gtgccggact tgaggaccga tcaacccaag cctccctcga     720
    42 agaagcgatc ctgcgacccc tccgagtaca gggtaagcga gctaaaagaa agcttgatta     780
    43 ccactactcc cagccgaccc cgaaccgcaa gaaggtgtat aagactgtaa gatggcaaga     840
    44 cgagctcgca gaccgagagg ccgattttac gccttcagaa gaggacggtg gcaccacctc     900
    45 aagcgacttc gacgaagata taaatttcga catcggagga gacagcggta tcgtagacga     960
    46 gcttttagga aggcctttca caacccccgc cccggtacgt atagtgtgag gctgccgaac    1020
    47 ccccaatcta ccatgactat ccgcttccaa ggagtcatct ttctcacaga aggactcatt    1080
    48 ctgcctaaaa acagcacagc ggggggctat gcagaccaca tgtacggggc gagagtcgcc    1140
    49 aagatctctg tgaacctgaa agagttcctg ctagcgtcaa tgaacctgac atacgtgagc    1200
    50 aaaatcggag gccccatcgc cggtgagttg attgcggacg ggtctaaatc acaagccgcg    1260
    51 gagaactggc ctaattgctg gctgccgcta gataataacg tgccctccgc gacaccatcg    1320
    52 gcatggtgga gatgggcctt aatgatgatg cagcccacgg actcttgccg gttctttaat    1380
    53 caccctaagc agatgaccct gcaagacatg ggtcgcatgt ttgggggctg gcacctattc    1440
    54 cgacacattg aaacccgctt tcagctcctt gccactaaga atgagggatc cttcagcccc    1500
    55 gtggcgagtc ttctctccca gggagagtac ctcacgcgtc gggacgatgt taaatacagc    1560
```

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```
agcgatcacc agaaccggtg gcgaaaaggc gaacaaccga tgacgggggg tattgcttat    1620
gcgaccggga aaatgagacc cgacgagcaa cagtaccctg ctatgccccc agacccccgg    1680
atcatcacca gtactacagc gcaaggcacg caagtccgct gcatgaatag cacgcaagct    1740
tggtggtcat gggacacata tatgagcttt gcaacactca cagcactcgg tgcacaatgg    1800
tcttttcctc cagggcaacg ttcagtttct agacggtcct tcaaccacca caaggcgaga    1860
ggagccgggg accccaaagg ccagagatgg cacaccctgg tgccgctcgg cacggagacc    1920
atcaccgaca gctacatggg agcacccgca tcagagctgg acacaaattt ctttacgctt    1980
tacgtagcgc aaggtacaaa taagtcgcag cagtacaagt tcggcacagc tacatacgcg    2040
ctaaaggagc cggtaatgaa gagcgattca tgggcagtgg tacgcgtcca gtcggtctgg    2100
caactgggta acaggcagag accataccca tgggacgtca actgggccaa cagcaccatg    2160
tactggggcg ggcagccctg aaaaggggag gggctaaagc ccccccttga acccccccct    2220
gggggggatt ccccccccaga cccccccttt aaatagcact caataaacgc agcaattggc    2280
tttatcgcac aatc                                                      2294
<210> SEQ ID NO: 2
<211> LENGTH: 786
<212> TYPE: PRT
<213> ORGANISM: Chicken anemia virus
<400> SEQUENCE: 2
Met Ala Arg Arg Ala Arg Arg Pro Arg Gly Arg Phe Tyr Ala Phe Arg
 1               5                  10                  15
Arg Gly Arg Trp His His Leu Lys Arg Leu Arg Arg Arg Tyr Lys Phe
            20                  25                  30
Arg His Arg Arg Arg Gln Arg Tyr Arg Arg Arg Ala Phe Arg Lys Ala
        35                  40                  45
Phe His Asn Pro Arg Pro Gly Thr Tyr Ser Val Arg Leu Pro Asn Pro
    50                  55                  60
Gln Ser Thr Met Thr Ile Arg Phe Gln Gly Val Ile Phe Leu Thr Glu
65                  70                  75                  80
Gly Leu Ile Leu Pro Lys Asn Ser Thr Ala Gly Gly Tyr Ala Asp His
                85                  90                  95
Met Tyr Gly Ala Arg Val Ala Lys Ile Ser Val Asn Leu Lys Glu Phe
            100                 105                 110
Leu Leu Ala Ser Met Asn Leu Thr Tyr Val Ser Lys Ile Gly Gly Pro
        115                 120                 125
Ile Ala Gly Glu Leu Ile Ala Asp Gly Ser Lys Ser Gln Ala Ala Glu
    130                 135                 140
Asn Trp Pro Asn Cys Trp Leu Pro Leu Asp Asn Asn Val Pro Ser Ala
145                 150                 155                 160
Thr Pro Ser Ala Trp Trp Arg Trp Ala Leu Met Met Met Gln Pro Thr
                165                 170                 175
Asp Ser Cys Arg Phe Phe Asn His Pro Lys Gln Met Thr Leu Gln Asp
            180                 185                 190
Met Gly Arg Met Phe Gly Gly Trp His Leu Phe Arg His Ile Glu Thr
        195                 200                 205
Arg Phe Gln Leu Leu Ala Thr Lys Asn Glu Gly Ser Phe Ser Pro Val
    210                 215                 220
Ala Ser Leu Leu Ser Gln Gly Glu Tyr Leu Thr Arg Arg Asp Asp Val
225                 230                 235                 240
Lys Tyr Ser Ser Asp His Gln Asn Arg Trp Arg Lys Gly Glu Gln Pro
```

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```
107                 245                 250                 255
108 Met Thr Gly Gly Ile Ala Tyr Ala Thr Gly Lys Met Arg Pro Asp Glu
109             260                 265                 270
110 Gln Gln Tyr Pro Ala Met Pro Pro Asp Pro Pro Ile Ile Thr Ser Thr
111         275                 280                 285
112 Thr Ala Gln Gly Thr Gln Val Arg Cys Met Asn Ser Thr Gln Ala Trp
113     290                 295                 300
114 Trp Ser Trp Asp Thr Tyr Met Ser Phe Ala Thr Leu Thr Ala Leu Gly
115 305                 310                 315                 320
116 Ala Gln Trp Ser Phe Pro Pro Gly Gln Arg Ser Val Ser Arg Arg Ser
117                 325                 330                 335
118 Phe Asn His His Lys Ala Arg Gly Ala Gly Asp Pro Lys Gly Gln Arg
119             340                 345                 350
120 Trp His Thr Leu Val Pro Leu Gly Thr Glu Thr Ile Thr Asp Ser Tyr
121         355                 360                 365
122 Met Gly Ala Pro Ala Ser Glu Leu Asp Thr Asn Phe Phe Thr Leu Tyr
123     370                 375                 380
124 Val Ala Gln Gly Thr Asn Lys Ser Gln Gln Tyr Lys Phe Gly Thr Ala
125 385                 390                 395                 400
126 Thr Tyr Ala Leu Lys Glu Pro Val Met Lys Ser Asp Ser Trp Ala Val
127                 405                 410                 415
128 Val Arg Val Gln Ser Val Trp Gln Leu Gly Asn Arg Gln Arg Pro Tyr
129             420                 425                 430
130 Pro Trp Asp Val Asn Trp Ala Asn Ser Thr Met Tyr Trp Gly Gly Gln
131         435                 440                 445
132 Pro Met His Gly Asn Asp Gly Gln Pro Ala Ala Gly Gly Ser Glu Ser
133     450                 455                 460
134 Ala Leu Ser Arg Glu Gly Gln Pro Gly Pro Ser Gly Ala Ala Gln Gly
135 465                 470                 475                 480
136 Gln Val Ile Ser Asn Glu Arg Ser Pro Arg Arg Tyr Ser Thr Arg Thr
137                 485                 490                 495
138 Ile Asn Gly Val Gln Ala Thr Asn Lys Phe Thr Ala Val Gly Asn Pro
139             500                 505                 510
140 Ser Leu Gln Arg Asp Pro Asp Trp Tyr Arg Trp Asn Tyr Asn His Ser
141         515                 520                 525
142 Ile Ala Val Trp Leu Arg Glu Cys Ser Arg Ser His Ala Lys Ile Cys
143     530                 535                 540
144 Asn Cys Gly Gln Phe Arg Lys His Trp Phe Gln Glu Cys Ala Gly Leu
145 545                 550                 555                 560
146 Glu Asp Arg Ser Thr Gln Ala Ser Leu Glu Glu Ala Ile Leu Arg Pro
147                 565                 570                 575
148 Leu Arg Val Gln Gly Lys Arg Ala Lys Arg Lys Leu Asp Tyr His Tyr
149             580                 585                 590
150 Ser Gln Pro Thr Pro Asn Arg Lys Lys Val Tyr Lys Thr Val Arg Trp
151         595                 600                 605
152 Gln Asp Glu Leu Ala Asp Arg Glu Ala Asp Phe Thr Pro Ser Glu Glu
153     610                 615                 620
154 Asp Gly Gly Thr Thr Ser Ser Asp Phe Asp Glu Asp Ile Asn Phe Asp
155 625                 630                 635                 640
```

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```
156 Ile Gly Gly Asp Ser Gly Ile Val Asp Glu Leu Leu Gly Arg Pro Phe
157                 645                 650                 655
158 Thr Thr Pro Ala Pro Val Arg Ile Val Met Asn Ala Leu Gln Glu Asp
159             660                 665                 670
160 Thr Pro Pro Gly Pro Ser Thr Val Phe Arg Pro Pro Thr Ser Ser Arg
161         675                 680                 685
162 Pro Leu Glu Thr Pro His Cys Arg Glu Ile Arg Ile Gly Ile Ala Gly
163     690                 695                 700
164 Ile Thr Ile Thr Leu Ser Leu Cys Gly Cys Ala Asn Ala Arg Ala Pro
165 705                 710                 715                 720
166 Thr Leu Arg Ser Ala Thr Ala Asp Asn Ser Glu Ser Thr Gly Phe Lys
167                 725                 730                 735
168 Asn Val Pro Asp Leu Arg Thr Asp Gln Pro Lys Pro Pro Ser Lys Lys
169             740                 745                 750
170 Arg Ser Cys Asp Pro Ser Glu Tyr Arg Val Ser Glu Leu Lys Glu Ser
171         755                 760                 765
172 Leu Ile Thr Thr Thr Pro Ser Arg Pro Arg Thr Ala Arg Arg Cys Ile
173     770                 775                 780
174 Arg Leu
175 785
```

VERIFICATION SUMMARY DATE: 09/13/2006
PATENT APPLICATION: **US/10/591,725** TIME: 11:08:54

Input Set : **A:\021080002U4.txt**
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number